

Refine Search

10/772370

Your wildcard search against 10000 terms has yielded the results below.

Your result set for the last L# is incomplete.

The probable cause is use of unlimited truncation. Revise your search strategy to use limited truncation.

Search Results -

| Terms | Documents |
|--|-----------|
| ((control\$ with accelerat\$.clm. or (control\$ with accelerat\$.ab.) and (((portion\$ or part\$ or "cut-off") adj cylinder\$) with ((full\$ adj cylinder\$) or "full-cylinder" or "all-cylinder" or (all\$ adj cylinder\$)) with (chang\$ or switch\$)) and (cylinder\$.clm. or cylinder\$.ab.) | 13 |

Database:

US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
 US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

L21

Refine Search

Recall Text

Clear

Interrupt

Search History

DATE: Monday, December 03, 2007 [Purge Queries](#) [Printable Copy](#) [Create Case](#)

| <u>Set</u> <u>Name</u> | <u>Query</u> | <u>Hit</u> <u>Count</u> | <u>Set</u> <u>Name</u> result set |
|---------------------------|--|----------------------------|--|
| side by side | | | |
| | DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR | | |
| L21 | ((control\$ with accelerat\$.clm. or (control\$ with accelerat\$.ab.) and (((portion\$ or part\$ or "cut-off") adj cylinder\$) with ((full\$ adj cylinder\$) or "full-cylinder" or "all-cylinder" or (all\$ adj cylinder\$)) with (chang\$ or switch\$)) and (cylinder\$.clm. or cylinder\$.ab.) | 13 | L21 |
| L20 | (control\$ with accelerat\$.clm. and (((portion\$ or part\$ or "cut-off") adj cylinder\$) with ((full\$ adj cylinder\$) or "full-cylinder" or "all-cylinder" or (all\$ adj cylinder\$)) with (chang\$ or switch\$)) and (cylinder\$.clm. or cylinder\$.ab.) | 6 | L20 |
| L19 | (control\$ with accelerat\$) and (((portion\$ or part\$ or "cut-off") adj cylinder\$) with ((full\$ adj cylinder\$) or "full-cylinder" or "all-cylinder" or (all\$ adj | 32 | L19 |

cylinder\$)) with (chang\$ or switch\$) and cylinder\$.clm.

DB=EPAB,JPAB,DWPI; THES=ASSIGNEE; PLUR=YES; OP=OR

L18 L17 and (signal\$ or command\$ or instruction\$)

1 L18

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR

(control\$ with accelerat\$) and (((portion\$ or part\$ or "cut-off") adj cylinder\$) with ((full\$ adj cylinder\$) or "full-cylinder" or "all-cylinder" or (all\$ adj cylinder\$)) with (chang\$ or switch\$))

40 L17

DB=EPAB,JPAB,DWPI; THES=ASSIGNEE; PLUR=YES; OP=OR

(control\$ with accelerat\$) and (first near2 (signal\$ or command\$)) and (second\$ near2 (signal\$ or command\$)) and (((portion\$ or part\$ or "cut-off") adj cylinder\$) with ((full adj cylinder\$) or "full-cylinder" or "all-cylinder" or (all adj cylinder\$)) with (chang\$ or switch\$))

0 L16

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR

L14 and (control\$ with accelerat\$) and (((portion\$ or part\$ or "cut-off") adj cylinder\$) with ((full adj cylinder\$) or "full-cylinder" or "all-cylinder" or (all adj cylinder\$)) with (chang\$ or switch\$))

2 L15

L14 L10 or L11 or L12 or L13

57 L14

DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR

(4165610 | 3767764 | 4146006 | 4000614 | 4114374 | 4107921 | 4144864 | 4210109 | 4143635 | 4134261 | 3984975 | 3765205 | 3765394 | 2875742 | 4186715 | 4149502)! [PN]

16 L13

L12 ("4274373" | "4256074") [PN]

2 L12

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR

L11 L9

2 L11

DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR

L10 ("4274373" | "4256074") [URPN]

39 L10

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR

L9 L6

2 L9

L7 and (control\$ with accelerat\$) and (first near2 (signal\$ or command\$)) and (second\$ near2 (signal\$ or command\$)) and (((portion\$ or part\$ or "cut-off") adj cylinder\$) with ((full adj cylinder\$) or "full-cylinder" or "all-cylinder" or (all adj cylinder\$)) with (chang\$ or switch\$))

0 L8

DB=PGPB,USPT; THES=ASSIGNEE; PLUR=YES; OP=OR

L7 (701/06 | 701/110).ccls.

759 L7

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR

(control\$ with accelerat\$) and (first near2 (signal\$ or command\$)) and (second\$ near2 (signal\$ or command\$)) and (ice\$ or (internal\$ adj combustion\$ adj engine\$)) and (((portion\$ or part\$ or "cut-off") adj cylinder\$) with ((full adj cylinder\$) or "full-cylinder" or "all-cylinder" or (all adj cylinder\$)) with (chang\$ or switch\$))

2 L6

| | | | |
|--|---|------|----|
| L5 | (control\$ with accelerat\$) and (first near2 (signal\$ or command\$)) and (second\$ near2 (signal\$ or command\$)) and (ice\$ or (internal\$ adj combustion\$ adj engine\$)) and (((portion\$ or part\$ or "cut-off") adj cylinder\$) with ((full adj cyliner\$) or "full-cylinder") with (chang\$ or switch\$)) | 0 | L5 |
| L4 | (control\$ with accelerat\$) and (first near2 (signal\$ or command\$)) and (second\$ near2 (signal\$ or command\$)) and (ice\$ or (internal\$ adj combustion\$ adj engine\$)) and (((portion\$ or part\$ or "cut-off") adj cylinder\$) with ((full adj cyliner\$) or "full-cylinder") with (chang\$ or switch\$)) and @pd<=20030207 | 0 | L4 |
| L3 | (control\$ with accelerat\$) and (first near2 (signal\$ or command\$)) and (second\$ near2 (signal\$ or command\$)) and (ice\$ or (internal\$ adj combustion\$ adj engine\$)) and (((portion\$ or part\$ or "cut-off") adj cylinder\$) with ((full adj cyliner\$) or "full-cylinder") with (chang\$ or switch\$)) and @ad<=20030207 | 0 | L3 |
| L2 | (control\$ with accelerat\$) and (first near2 (signal\$ or command\$)) and (second\$ near2 (signal\$ or command\$)) and (ice\$ or (internal\$ adj combustion\$ adj engine\$)) and @ad<=20030207 | 1864 | L2 |
| <i>DB=PGPB; THES=ASSIGNEE; PLUR=YES; OP=OR</i> | | | |
| L1 | 20040158383 | 1 | L1 |

END OF SEARCH HISTORY

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End of Result Set

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L18: Entry 1 of 1

File: JPAB

Jun 23, 1987

PUB-NO: JP362139936A

DOCUMENT-IDENTIFIER: JP 62139936 A

TITLE: CYLINDER CONTROL DEVICE FOR ENGINE

PUBN-DATE: June 23, 1987

INVENTOR-INFORMATION:

NAME

COUNTRY

HATTORI, HAJIME

ASSIGNEE-INFORMATION:

NAME

COUNTRY

ISUZU MOTORS LTD

APPL-NO: JP60278876

APPL-DATE: December 13, 1985

INT-CL (IPC): F02D 17/02; F02D 41/02

ABSTRACT:

PURPOSE: To enable the control of cylinder number according to an operator's intention by controlling said number depending upon an extent of stepping down an accelerator pedal.

CONSTITUTION: In an engine 1 equipped with a cylinder number control mechanism 2, signals from an accelerator opening sensor 6, an engine speed sensor 7, a fuel flow amount sensor 8 and the like are inputted into control means 4. This control means 4 drives the cylinder number control mechanism 2 depending upon an accelerator opening setup as determined according to the number of engine revolutions, and changes over engine operation between partial cylinder operation and full cylinder operation. Also, at the time of changing over the number of cylinders, a governor 3 is operated to keep constant engine output, thereby controlling a fuel feed amount. Consequently, the number of cylinders can be smoothly changed over, according to an operator's intention.

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First Hit

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[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)**Search Results - Record(s) 1 through 10 of 13 returned.**☐ 1. Document ID: US 20070255478 A1

L21: Entry 1 of 13

File: PGPB

Nov 1, 2007

PGPUB-DOCUMENT-NUMBER: 20070255478

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20070255478 A1

TITLE: Running control apparatus for vehicle

PUBLICATION-DATE: November 1, 2007

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|------------------|----------------|-------|---------|
| Wakashiro; Teruo | Sakura-shi | | JP |
| Ozawa; Koichiro | Utsunomiya-shi | | JP |

US-CL-CURRENT: 701/93; 340/435, 340/903, 701/301, 701/96

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | RMC | Draw D- |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|---------|

☐ 2. Document ID: US 20040163866 A1

L21: Entry 2 of 13

File: PGPB

Aug 26, 2004

PGPUB-DOCUMENT-NUMBER: 20040163866

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040163866 A1

TITLE: Control system for cylinder cut-off internal combustion engine

PUBLICATION-DATE: August 26, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|------------------|----------|-------|---------|
| Sen, Naoto | Wako-shi | | JP |
| Okada, Tadayoshi | Wako-shi | | JP |
| Sugiyama, Akira | Wako-shi | | JP |

| | | |
|--------------------|----------|----|
| Nishida, Kenichi | Wako-shi | JP |
| Tomokuni, Yasuhiko | Wako-shi | JP |
| Ishiyama, Mahito | Wako-shi | JP |
| Yamashita, Kazuo | Wako-shi | JP |

US-CL-CURRENT: 180/179

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | Image | Drawings |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-------|----------|

☐ 3. Document ID: US 20040158383 A1

L21: Entry 3 of 13

File: PGPB

Aug 12, 2004

PGPUB-DOCUMENT-NUMBER: 20040158383

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040158383 A1

TITLE: Control system for cylinder cut-off internal combustion engine

PUBLICATION-DATE: August 12, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|--------------------|----------|-------|---------|
| Sen, Naoto | Wako-shi | | JP |
| Okada, Tadayoshi | Wako-shi | | JP |
| Sugiyama, Akira | Wako-shi | | JP |
| Nishida, Kenichi | Wako-shi | | JP |
| Tomokuni, Yasuhiko | Wako-shi | | JP |

US-CL-CURRENT: 701/96; 701/110

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | Image | Drawings |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-------|----------|

☐ 4. Document ID: US 20040012206 A1

L21: Entry 4 of 13

File: PGPB

Jan 22, 2004

PGPUB-DOCUMENT-NUMBER: 20040012206

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040012206 A1

TITLE: Control device for hybrid vehicle

PUBLICATION-DATE: January 22, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|------------------|----------------|-------|---------|
| Wakashiro, Teruo | Shioya-gun | | JP |
| Hanada, Kohei | Utsunomiya-shi | | JP |

| | | |
|--------------------|----------------|----|
| Yonekura, Takahiro | Utsunomiya-shi | JP |
| Kishida, Makoto | Frankfurt | DE |
| Nishi, Tomohiro | Kawachi-gun | JP |
| Hara, Kazuhiro | Kawachi-gun | JP |

US-CL-CURRENT: 290/40C; 903/917, 903/927, 903/940, 903/941, 903/942, 903/943

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | FIGS | Drawings |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 5. Document ID: US 6943460 B2

L21: Entry 5 of 13

File: USPT

Sep 13, 2005

US-PAT-NO: 6943460

DOCUMENT-IDENTIFIER: US 6943460 B2

TITLE: Control device for hybrid vehicle

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | FIGS | Drawings |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 6. Document ID: US 5481461 A

L21: Entry 6 of 13

File: USPT

Jan 2, 1996

US-PAT-NO: 5481461

DOCUMENT-IDENTIFIER: US 5481461 A

TITLE: Automotive vehicle engine with cylinder suspending mechanism for switching between a partial-cylinder non-working mode and an all-cylinder working mode depending on running conditions of the engine

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | FIGS | Drawings |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 7. Document ID: JP 2004316552 A

L21: Entry 7 of 13

File: JPAB

Nov 11, 2004

PUB-NO: JP02004316552A

DOCUMENT-IDENTIFIER: JP 2004316552 A

TITLE: CONTROL DEVICE FOR INTERNAL COMBUSTION ENGINE

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | FIGS | Drawings |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 8. Document ID: JP 2004293536 A

L21: Entry 8 of 13

File: JPAB

Oct 21, 2004

PUB-NO: JP02004293536A

DOCUMENT-IDENTIFIER: JP 2004293536 A

TITLE: CONTROL DEVICE FOR CYLINDER CUT-OFF INTERNAL COMBUSTION ENGINE

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | Index | Drawings |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-------|----------|

☐ 9. Document ID: JP 03182645 A

L21: Entry 9 of 13

File: JPAB

Aug 8, 1991

PUB-NO: JP403182645A

DOCUMENT-IDENTIFIER: JP 03182645 A

TITLE: TWO-STROKE ENGINE

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | Index | Drawings |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-------|----------|

☐ 10. Document ID: JP 62139936 A

L21: Entry 10 of 13

File: JPAB

Jun 23, 1987

PUB-NO: JP362139936A

DOCUMENT-IDENTIFIER: JP 62139936 A

TITLE: CYLINDER CONTROL DEVICE FOR ENGINE

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | Index | Drawings |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-------|----------|

Clear

Generate Collection

Print

Fwd Refs

Bkwd Refs

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| Terms | Documents |
|--|-----------|
| ((control\$ with accelerat\$).clm. or (control\$ with accelerat\$).ab.) and (((portion\$ or part\$ or "cut-off") adj cylinder\$) with ((full\$ adj cylinder\$) or "full-cylinder" or "all-cylinder" or (all\$ adj cylinder\$)) with (chang\$ or switch\$)) and (cylinder\$.clm. or cylinder\$.ab.) | 13 |

Display Format: -

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Your wildcard search against 10000 terms has yielded the results below.

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Search Results - Record(s) 11 through 13 of 13 returned.

☐ 11. Document ID: JP 58174135 A

L21: Entry 11 of 13

File: JPAB

Oct 13, 1983

PUB-NO: JP358174135A

DOCUMENT-IDENTIFIER: JP 58174135 A

TITLE: MULTI-CYLINDER INTERNAL-COMBUSTION ENGINE

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | FOI/C | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-------|--------|

☐ 12. Document ID: EP 1445460 A2

L21: Entry 12 of 13

File: EPAB

Aug 11, 2004

PUB-NO: EP001445460A2

DOCUMENT-IDENTIFIER: EP 1445460 A2

TITLE: Control system for cylinder cutoff internal combustion engine

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | FOI/C | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-------|--------|

☐ 13. Document ID: JP 2004293536 A, EP 1445460 A2, US 20040158383 A1

L21: Entry 13 of 13

File: DWPI

Oct 21, 2004

DERWENT-ACC-NO: 2004-555320

DERWENT-WEEK: 200469

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TITLE: Control system for cylinder cut-off internal combustion engine, has acceleration suppression controller that performs acceleration suppression control if engine is switched from cut-off cylinder operation to full cylinder operation

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | FOI/C | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-------|--------|

Clear

Generate Collection

Print

Fwd Refs

Bkwd Refs

Generate OACS

| Terms | Documents |
|---|-----------|
| ((control\$ with accelerat\$).clm. or (control\$ with accelerat\$.ab.) and (((portion\$ or part\$ or "cut-off") adj cylinder\$) with ((full\$ adj cylinder\$) or "full-cylinder" or "all-cylinder" or (all\$ adj cylinder\$)) with (chang\$ or switch\$)) and (cylinder\$.clm. or cylinder\$.ab.) | 13 |

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L21: Entry 13 of 13

File: DWPI

Oct 21, 2004

DERWENT-ACC-NO: 2004-555320

DERWENT-WEEK: 200469

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Control system for cylinder cut-off internal combustion engine, has acceleration suppression controller that performs acceleration suppression control if engine is switched from cut-off cylinder operation to full cylinder operation

INVENTOR: NISHIDA, K; OKADA, T ; SEN, N ; SUGIYAMA, A ; TOMOKUNI, Y

PATENT-ASSIGNEE: HONDA MOTOR CO LTD (HOND)

PRIORITY-DATA: 2003JP-0136954 (May 15, 2003), 2003JP-0030812 (February 7, 2003)

[Search Selected](#)[Search ALL](#)[Clear](#)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|--|------------------|----------|-------|------------|
| <input type="checkbox"/> JP 2004293536 A | October 21, 2004 | | 031 | F02D017/02 |
| <input type="checkbox"/> EP 1445460 A2 | August 11, 2004 | E | 034 | F02D041/36 |
| <input type="checkbox"/> US 20040158383 A1 | August 12, 2004 | | 000 | B60K031/00 |

DESIGNATED-STATES: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LT LU
LV MC MK NL PT RO SE SI SK TR

APPLICATION-DATA:

| PUB-NO | APPL-DATE | APPL-NO | DESCRIPTOR |
|-----------------|------------------|----------------|------------|
| JP2004293536A | May 15, 2003 | 2003JP-0136954 | |
| EP 1445460A2 | February 5, 2004 | 2004EP-0002561 | |
| US20040158383A1 | February 6, 2004 | 2004US-0772370 | |

INT-CL (IPC): B60K 31/00; B60K 31/02; F02D 17/02; F02D 29/02; F02D 41/02;
F02D 41/36; F02D 45/00

ABSTRACTED-PUB-NO: EP 1445460A

BASIC-ABSTRACT:

NOVELTY - The control system includes an acceleration suppression controller that conducts an acceleration suppression control if the engine operation is switched from a cut-off cylinder operation to a full cylinder operation when the running control is in progress.

USE - Used for suppressing the acceleration of a cylinder cut-off internal

combustion engine depending on the engine operating state.

ADVANTAGE - Enables adjusting the throttle opening quickly. Enables the engine operation to switch between the full cylinder opening and the cut-off cylinder operation based on the engine load. Enables performing running control. Avoids sharp or drastic acceleration accompanying torque fluctuation, when the engine operation is switched to the full cylinder operation.

DESCRIPTION OF DRAWING(S) - The figure shows the flowchart of the transition control operation from the cut-off cylinder operation to the full cylinder operation during execution of running control.

ABSTRACTED-PUB-NO: EP 1445460A
EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.4/17

DERWENT-CLASS: Q13 Q52 X22
EPI-CODES: X22-A03X;

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L21: Entry 8 of 13

File: JPAB

Oct 21, 2004

PUB-NO: JP02004293536A

DOCUMENT-IDENTIFIER: JP 2004293536 A

TITLE: CONTROL DEVICE FOR CYLINDER CUT-OFF INTERNAL COMBUSTION ENGINE

PUBN-DATE: October 21, 2004

INVENTOR-INFORMATION:

NAME

COUNTRY

SEN, NAOHITO

OKADA, TADAYOSHI

SUGIYAMA, AKIRA

TOMOKUNI, YASUHIKO

NISHIDA, KENICHI

ASSIGNEE-INFORMATION:

NAME

COUNTRY

HONDA MOTOR CO LTD

APPL-NO: JP2003136954

APPL-DATE: May 15, 2003

PRIORITY-DATA: 2003JP-030812 (February 7, 2003)

INT-CL (IPC): F02D 17/02; B60K 31/00; F02D 29/02; F02D 41/02; F02D 45/00

ABSTRACT:

PROBLEM TO BE SOLVED: To provide a control device for a cylinder cut-off internal combustion engine in which the operation of the engine is changed over between a full-cylinder operation and a cut-off operation according to the engine load and the constant speed running control is executed capable of avoiding generation of such a steep acceleration as involving a torque variation when changing-over into the full-cylinder operation is made even if such a control is performed as to fix the throttle opening to the close side and lower the car speed for maintaining the cut-off cylinder operation as much as practicable when the running control is executed.

SOLUTION: The control device for the cylinder cut-off internal combustion engine is equipped with an acceleration suppression control means (S200 to S230) to suppress the acceleration of a car, wherein the acceleration suppression control means calculates the second target car speed VDK (desired vehicle velocity during transition control) obtained by decreasing the target car speed (S210, S212, S218) and makes suppression control of the acceleration by executing the running control on the basis of the second target car speed (S222). In some cases, for example when an accelerate switch is operated, the acceleration suppression control is stopped (S232 to S240).

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